

List all the possible integer roots. Then use them to find the roots of the following polynomial functions.

1. $f(x) = x^3 - 8x^2 - 23x + 30$

2. $f(x) = x^4 + 2x^3 - 7x^2 - 8x + 12$

3. $f(x) = x^3 - 7x^2 + 2x + 40$

4. $f(x) = x^3 - 2x^2 - x + 2$

5. $f(x) = x^4 + x^3 + x^2 - 9x - 10$

6. $f(x) = x^5 - x^4 - 7x^3 + 11x^2 - 8x + 12$